

# FURTHER MATHEMATICS SUPPORT PROGRAMME WALES



## NEWSLETTER

Autumn 2016

Issue 6

### Increase in the number of girls taking Further Maths in Wales

Further Mathematics A-level results are again a cause for celebration in Wales and many Welsh students will use their Further Mathematics A Level to enable them to study for a stem degree. This year saw an impressive 20% increase in the number of Welsh girls taking a full A-level in further Mathematics in comparison with 2015.

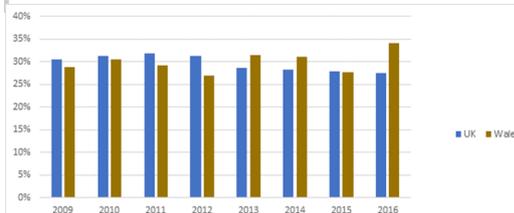
The proportion of girls with Further Mathematics qualifications historically remains low across the UK as illustrated in the graph below. This year's increase in Wales makes an impressive 34% of the whole cohort. The number of girls taking a full A-level Further Mathematics in Wales has increased by 86% since 2009.

Professor Julie Williams CBE, Chief Scientific Advisor for Wales, commented *"I support more girls taking A-level Further Mathematics. There are many opportunities for interesting and rewarding careers using mathematics, in fact there is a shortage of people with this knowledge and skill. Maths is an excellent career choice."*

To read the full press release visit

<http://www.furthermaths.org.uk/wales-news>

**Graph 1.** Proportion of A-level Further Maths female students in Wales & the UK since 2009



### Good News Continued Funding

The FMSP Wales received further funding from DfES to continue offering support to school and colleges in Wales in 2016-18. We are very pleased to say that from next academic year we will be operating in all regions in Wales.

### Year 10 Conferences

#### Swansea University, Pembrokeshire College and University of South Wales

The Further Maths Support Programme had a fantastic attendance at their Year 10 conferences held in June/July. Over 380 students attended the three conferences from 25 schools from across South Wales.



Students were split into groups and participated in 2 workshops and attended a final talk. The conference aims to show students different ways in which Maths is applied and demonstrate the many different Maths focused careers. Student feedback for the day was overwhelmingly positive; "it was an excellent information filled day", "it opened my eyes to maths and encouraged me to take it in the future." Teachers also gave positive feedback, judging the conference to have been pitched at the right level, "good level, accessible but challenging".

To read more visit <http://www.furthermaths.org.uk/wales-news>

### Case Study



Helen Hayes Completed the "Teaching FP1 Maths with Confidence" CPD course in North Wales "Further Maths has been introduced this year at AS and will progress to A Level next year"

[Read more](#)

[www.furthermaths.org.uk/wales](http://www.furthermaths.org.uk/wales)

# EVENTS

For more information about any of these events please visit  
<http://www.furthermaths.org.uk/wales>  
or contact the FMSP team [infoFMSPWales@wimcs.ac.uk](mailto:infoFMSPWales@wimcs.ac.uk)

## Maths is Your Future

One-day conference for Year 11 Mathematics students

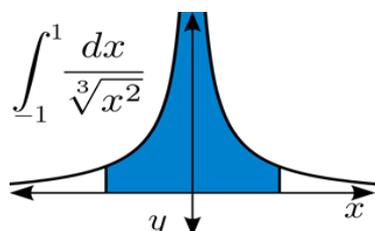
15th September 2016 – Bangor University

From 09.15 to 14.00 Places will be allocated on a first-come, first-served basis. To apply please visit [http://www.furthermaths.org.uk/Wales\\_enrichment](http://www.furthermaths.org.uk/Wales_enrichment)



## Student Events in October

[http://www.furthermaths.org.uk/Wales\\_enrichment](http://www.furthermaths.org.uk/Wales_enrichment)



### STEP II and III—Year 13

Swansea University—Starts October

*“I have gained a greater depth of understanding of maths and improved my problem solving ability. If the course was not available I would be less likely to meet my offer.”*

### Solving Unusual Maths Problems - Year 12

Locations across South Wales (see website for more information)

The class is recommended to students preparing for MAT and applying to read STEM subjects at Russell Group Universities and to those who simply enjoy solving difficult maths problems.



## Tuition

### The FMSP Wales Tuition

Tuition offers sent out to all schools in May have received an extremely positive response, with many forms already received. FMSP Wales would like to remind those interested in Tuition to send their request forms in if they have not already done so. If you have any questions about tuition please contact Beth Eakins at [b.eakins@swansea.ac.uk](mailto:b.eakins@swansea.ac.uk) or call 01792 602334.

## Continuous professional Development for Teachers

FMSP can help upskill teachers in any Further Maths modules, if you are interested in receiving CPD training or require more information please contact us on the number/email address below.

### Courses available this term:

#### Teaching Advanced Topics in Further Pure Mathematics

October 2016—March 2017

Location—Bangor University

This course covers FP2 and FP3—closing date for applications 1/10/16



#### Teaching Further Pure 1 Mathematics with Confidence

October 2016—March 2017

Location—Swansea and Cardiff Universities

This course is ideal for teachers who have not taught topics from FP1 previously or for teachers who wish to refresh their subject knowledge—closing date for applications 7/10/16



#### Transition workshops—for the new A Level Further Maths specification

Transition from FP1 to Unit 1—one day workshop covering changes to the specification—

Swansea University—Saturday 5th November

Bangor University—Saturday 10 December

Transition from FP2/3 to Unit 4—one day workshop reviewing the changes to the specification—Saturday 3rd December

For more details about all CPD and teacher support please visit [http://www.furthermaths.org.uk/Wales\\_CPD](http://www.furthermaths.org.uk/Wales_CPD)